
TABLE OF CONTENTS

	<u>Page</u>
Dear Reviewer.....	i
Title Page	iii
Cover Sheet	iv
EXECUTIVE SUMMARY.....	v
FINDING OF NO SIGNIFICANT IMPACT.....	vi
ACRONYMS AND ABREVIATIONS.....	ix

CHAPTER 1 INTRODUCTION

1.1 Purpose and Need for the Proposed Action.....	1-1
1.2 Planning Area.....	1-1
1.3 Scoping and Issues	1-2
1.4 Alternatives.....	1-2
No Action Alternative.....	1-2
Enhanced Recreation Opportunities and Access Alternative.....	1-2
Enhanced Resource Protection Alternative.....	1-2
Proposed Action	1-3
1.5 Alternatives Considered but Eliminated.....	1-3
1.6 Planning Criteria	1-3
Definitions.....	1-4
1.7 Consistency with Bureau of Land Management Plans	1-6
1.8 Consistency with Local, State, Tribal, and other Federal Plans.....	1-6
1.9 Policy	1-7
1.10 Goals.....	1-8

CHAPTER 2 ALTERNATIVES

2.1 Route Designation	2-1
2.1.1 Definitions.....	2-1
2.1.2 Casual versus Authorized Use	2-2
2.1.3 Access Rights and Mineral Development.....	2-2
2.2 General Scope of Route Designation	2-2
2.3 Designing the Alternatives.....	2-3
2.3.1 Common to all Action Alternatives	2-4
2.3.2 Proposed Action	2-5
2.3.3 Enhanced Recreational Opportunities and Access Alternative.....	2-5
2.3.4 Enhanced Environmental Protection Alternative.....	2-6
2.3.5 No Action Alternative	2-7
2.3.6 Comparison of Alternatives	2-7
2.4 Implementation of Route Designation Decisions.....	2-8
2.5 Summary of Impacts of Alternatives	2-8

TABLE OF CONTENTS

CHAPTER 3 AFFECTED ENVIRONMENT	<u>Page</u>
3.2 Resources	3-2
3.2.1 Air Quality.....	3-2
Ozone Pollution	3-2
PM ₁₀ Pollution.....	3-2
Visibility Reducing Particles (VRP).....	3.3
3.2.2 Biological Resources - Vegetation.....	3-3
Special Status Plants	3-4
Riparian-Wetland Vegetation	3-4
3.2.3 Biological Resources - Wildlife	3-5
Special Status Animals	3-6
Desert Tortoise	3-7
Amargosa Vole	3-8
North Mojave Desert Bats.....	3-9
Inyo Mountains Slender Salamander	3-9
Inyo California Towhee	3-9
Least Bell's Vireo	3-10
Southwestern Willow Flycatcher.....	3-11
Swainson's Hawk.....	3-11
Western Yellow-billed Cuckoo.....	3-12
3.2.4 Cultural Resources.....	3-13
3.2.5 Soils.....	3-15
3.2.6 Water.....	3-15
3.2.7 Watersheds	3-16
3.3 Uses.....	3-17
3.3.1 Lands and Realty	3-17
3.3.2 Livestock Grazing	3-17
3.3.3 Minerals and Mining	3-19
3.3.4 Recreation.....	3-21
Nature Study	3-22
Hiking Trails	3-22
Camping and Overnight Accommodations.....	3-22
Lakebed Activities	3-23
Rock Hounding	3-23
Shooting and Hunting	3-24
3.3.5 Transportation and Utility Corridors Lands and Realty Actions	3-25
3.3.6 Vehicle Access.....	3-25
Organized Competitive Vehicle Events	3-26
Dumont Dunes Open Area.....	3-26
Dual Sports Events.....	3-27
Vehicle Touring	3-27
Technical 4-Wheel Drive Touring	3-28
Historical Trail Touring	3-29
3.4 Special Designations.....	3-29
3.4.1 Areas of Critical Environmental Concern.....	3-29
3.4.2 Wild and Scenic Rivers.....	3-30
3.4.3 Wilderness	3-30
3.5 Regional Socioeconomic Considerations.....	3-31

TABLE OF CONTENTS

CHAPTER 4. ENVIRONMENTAL CONSEQUENCES	<u>Page</u>
4.1 Introduction.....	4-1
4.2 Resources	4-2
4.2.1 Air Quality	4-2
Planning Assumptions	4-3
Proposed Action	4-3
Enhanced Recreation Opportunities and Access Alternative.....	4-3
Enhanced Resource Protection Alternative.....	4-3
No Action Alternative.....	4-4
Federal Conformity	4-4
Conformity Analysis and Conclusion	4-4
4.2.2 Biological Resources - Vegetation.....	4-4
Proposed Action.....	4-6
Enhanced Recreation Opportunities and Access Alternative.....	4-6
Enhanced Resource Protection Alternative.....	4-7
No Action Alternative.....	4-7
4.2.3 Biological Resources - Wildlife	4-7
Wildlife Special Status Species.....	4-8
Amargosa vole	4-8
Least Bell's Vireo and Southwestern Willow Flycatcher	4-8
Inyo California Towhee	4-9
Desert Tortoise.....	4-9
Common to All Alternatives	4-9
Black Toad	4-12
Swainson's Hawk.....	4-13
Bats and Myotis	4-13
Desert Bighorn Sheep	4-13
Western Burrowing Owl	4-13
Le Conte's Thrasher.....	4-14
Mojave Fringe-toed Lizard	4-14
4.2.4 Cultural and Historic Resources	4-14
Common to All Alternatives	4-15
Proposed Action.....	4-16
Enhanced Recreation Opportunities and Access Alternative.....	4-17
Enhanced Resource Protection Alternative.....	4-17
No Action Alternative.....	4-17
4.2.5 Soils.....	4-17
4.2.6 Water.....	4-18
4.2.7 Watersheds	4-19
4.3 Uses.....	4-21
4.3.1 Lands and Realty	4-21
4.3.2 Livestock Grazing	4-21
4.3.3 Minerals	4-22
4.3.4 Nonrenewable Energy.....	4-22
4.3.5 Recreation.....	4-23
Proposed Action.....	4-23
Enhanced Recreation Opportunities and Access Alternative.....	4-24
Enhanced Resource Protection Alternative.....	4-25

TABLE OF CONTENTS

	<u>Page</u>
No Action Alternative.....	4-25
4.3.6 Vehicle Access.....	4-25
Proposed Action.....	4-26
Enhanced Recreation Opportunities and Access Alternative.....	4-27
Enhanced Resource Protection Alternative.....	4-27
No Action Alternative.....	4-27
4.4 Special Designations.....	4-28
4.4.1 Areas of Critical Environmental Concern.....	4-28
Proposed Action.....	4-28
Enhanced Recreation Opportunities and Access Alternative.....	4-28
Enhanced Resource Protection Alternative.....	4-28
No Action Alternative.....	4-29
4.4.2 California Back Country Discovery Trail.....	4-32
4.4.3 Wild and Scenic Rivers.....	4-33
Proposed Action.....	4-33
Enhanced Recreation Opportunities and Access.....	4-34
Enhanced Resource Protection Alternative.....	4-34
No Action Alternative.....	4-34
4.4.4 Wilderness and Wilderness Study Areas	4-34
4.5 Socioeconomics	4-35
4.5.1 Proposed Action	4-35
4.5.2 Enhanced Resource Protection Alternative.....	4-35
4.5.3 Enhanced Recreation Opportunities and Access Alternative	4-35
4.5.4 No Action Alternative	4-35
4.6 Environmental Justice	4-36
4.7 Cumulative Impacts	4-36
4.7.1 Major Past, Present, and Reasonably Foreseeable Actions	4-37
4.7.2 Vehicle access	4-39
4.7.2 Recreational Activities.....	4-41
4.7.3 Socioeconomic Resources	4-43
4.7.4 Summary.....	4-43

CHAPTER 5. CONSULTATION AND COORDINATION

5.1 Introduction.....	5-1
5.2 Issues Summary	5-1
5.3 List of Preparers	5-12
Consultation, Contributors, and Preparers List	5-12
BLM - CA. State Office.....	5-12
BLM - CA. Desert District.....	5-12
BLM - Ridgecrest Field Office	5-12
BLM - Needles Field Office	5-12
BLM - Barstow Field Office	5-12
Anteon Corporation	5-13
U.S. Fish & Wildlife Service	5-13
California Department of Fish & Game.....	5-13
County Government.....	5-13

TABLE OF CONTENTS

	<u>Page</u>
5.4 Agencies and Persons Receiving Document.....	5-14
LITERATURE CITED.....	R-1
APPENDIX A. ROUTE DESIGNATION	
A.1. Route Designation Decision-making Process.....	A-1
A.1.1 Identifying Routes with Potential Conflicts	A-1
A.1.2 Analyzing Conflicts	A-2
A.1.3 Designating Routes and Documenting Rationale	A-2
A.2 Route Designation and Rationale	A-5

LIST OF TABLES

	<u>Page</u>
Table 2-1. Routes of Travel Network on Public Lands Managed by BLM in the NEMO Area	2-3
Table 2-2. Miles of Open, Limited and Closed Routes by Alternative for the Present Planning Effort	2-7
Table 2-3. Summary of Impacts by Alternative	2-9
Table 3-1. Identified Significant Cultural and Native American Resource Sites	3-14
Table 3-2. Eligible, Ineligible and Un-determined Eligibility of Archaeological and Historic Sites ..	3-14
Table 3-3. Watershed Categories	3-16
Table 3-4. Grazing Allotment Resource Information for the NEMO Routes Planning Area	3-19
Table 3-5. Historic Hiking Trails in the NEMO Routes Planning Area	3-22
Table 3-6. Vehicle Access on Dry Lakes in the NEMO Routes Planning Area	3-23
Table 3-7. Rock Hounding Sites in the NEMO Routes Planning Area	3-24
Table 3-8. Major Historical Trails in the NEMO Routes Planning Area.....	3-29
Table 3-9. Areas of Critical Environmental Concern (ACEC) in the NEMO Routes Planning Area ..	3-29
Table 3-10. High Desert Region Population Centers.....	3-32
Table 3-11. Planning Area Population Changes by decade, 1970-2000.....	3-33
Table 4-1. A comparison of the Relative Impact on Water Resources of NEMO Route Designation Alternatives	4-19
Table 4-2. Relative Impacts to Watersheds of NEMO Route Designation Alternatives	4-20
Table 4-3. Areas of Critical Environmental Concern (ACEC in the NEMO Routes Planning Area ...	4-29
Table 4-4. Summary of Miles of Open, Limited and Close Routes within the CDCA.....	4-39
Table 5-1. NEMO Routes Scoping Comments and Resolution	5-2
Table A-1. Route of Travel Designation for Each BLM Route in the NEMO Routes Planning Area ...	A-5

LIST OF MAPS

Map 2-1. Proposed Action Route Designation

Map 2-2. Enhanced Recreation Opportunities and Access Alternative Route Designation

Map 2-3. Enhanced Resource Protection Alternative Route Designation

Map 2-4. No Action Alternative Route Designation

NEMO Route Designations on 7.5 minute quadrangles (see list below and quadrangle location map) are on the enclosed CDROM for the Proposed Action (pa), Enhanced Recreation Opportunities and Access Alternative (eroa), Enhanced Resource Protection Alternative (erp) and No Action Alternative (na).

RIDGECREST

R1	Piper Peak
R2	Lida Wash
R3	Chocolate Mountain
R4	Last Chance
R5	Cowhorn Valley
R6	East of Waucoba Canyon
R7	Cerro Gordo Peak
R8	Jackass Canyon
R9	Keeler
R10	Lee Wash
R11	Maturango Peak
R12	Emigrant Pass
R13	Ballarat
R14	Galena Canyon
R15	Layton Springs

BARSTOW

B1	Ryan
B2	Devils Hole
B3	West of Eagle Lake
B4	Stewart Valley
B5	Sixmile Spring
B6	Salsberry Peak
B7	North of Tecopa Pass
B8	Stump Springs
B9	Green Monster Mine
B10	Avawatz Pass
B11	Silurian Lake
B12	Kingston Peak
B13	Silurian Valley
B14	Turquoise Mountain

NEEDLES

N1	Mesquite Mountain
N2	Clark Mountain
N3	Nipton
N4	Solomons Knob
N5	Mineral Hill
N6	Castle Peak
N7	East of Grotto Hills
N8	East of Homer Mountain
N9	Signal Hill
N10	Needle NW
N11	Fenner Spring
N12	Soda Lake South
N13	Glasgow
N14	East of Broadwell Lake
N15	East of Siberia
N16	Brown Buttes

LIST OF MAPS
